

(X2)
magnetization of magnetic markers in a sample, bound to said analytes, wherein at the time of measurement the magnetization of unbound magnetic markers that are present in the sample in their totality fades owing to extrinsic superparamagnetism.

(X3)
5. (Thrice Amended) A process according to claim 40, wherein the structure-specific substances are antibodies, antibody fragments, biotin, substances that bind specifically to biotin, agonists that bind specifically to receptors of their antagonists, peptides, proteins, receptors, enzyme substrates, nucleotides, ribonucleic acids, deoxyribonucleic acids, carbohydrates, or lipoproteins.

(X4)
11. (Twice Amended) A process according to claim 1, wherein simultaneous determination of several different analytes in a sample of liquids or solid substances is carried out by sequential magnetization of a sample to be measured.

(X5)
35. (Thrice Amended) The process according to claim 27, wherein a mixture of different ferrimagnetic or ferromagnetic substance with structure-specific substance is used.

(X6)
Please add the following new claims 40, 41 and 42.

40. A process according to claim 1, wherein structure specific substances are labeled with the ferromagnetic or ferrimagnetic substances, and added to the analyte.

(X7)
41. A process according to claim 1, wherein the analyte is labeled with structure specific substances, and the ferromagnetic or ferrimagnetic substances are added thereto.

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42. A process according to claim 41, wherein the structure-specific substances are antibodies, antibody fragments, biotin, substances that bind specifically to biotin, agonists that bind specifically to receptors of their antagonists, peptides, proteins, receptors, enzyme substrates, nucleotides, ribonucleic acids, deoxyribonucleic acids, carbohydrates, or lipoproteins.
